

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(154AD1)	Hex(FFFFFF)	Hex(6B7AFF)	Hex(8B94FF)	Hex(AAAFFF)	Hex(C9CAFF)	Hex(E8E6FF)
Hex(154AD1)		Ratio: 7.16 Passed ⁶	Ratio: 2.00 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 5.86 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.16 Passed ⁶		Ratio: 3.59 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(6B7AFF)	Ratio: 2.00 Failed ⁵	Ratio: 3.59 AA 18pt ²		Ratio: 1.33 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(8B94FF)	Ratio: 2.65 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(AAAFFF)	Ratio: 3.51 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(C9CAFF)	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 1.57 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(E8E6FF)	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 1.22 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.29 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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